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U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
WASHINGTON
November 14, 1936.

Letter
Circular
LC-483

CLASSIFICATION OF ACOUSTIC MATERIALS.

The following compilation of acoustic materials has been prepared to assist in the determination of the acceptability of materials which may be proposed to be furnished under Federal Specifications Nos. SS-P-391, SS-P-686, and SS-T-302. The inclusion of a material in this list should not be construed as a general approval of this material. The compilation is based upon the sound absorption coefficients given in Letter Circular LC-477, dated October 7, 1936. It includes some materials which are not covered by the Federal Specifications, and others which do not meet all of their requirements.

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Mounting:

1. Cemented to gypsum wall board. This is considered equivalent to cementing to plaster or masonry.
2. Placed on 13/16" x 2" furring 12" o.c. unless otherwise indicated.
3. Metal supports attached to 13/16" x 2" wood furring.
4. Laid directly on laboratory floor. As a rule the results obtained this way are the same as when the tile is cemented to gypsum wall board.
5. Placed on 2 x 4's 24" o.c. unless otherwise indicated.
6. Cemented to the floor of the reverberation chamber.
7. Back of sample covered with concrete.
8. Attached to metal suspension system. 4" air space back of tile.
9. Acoustic tile nailed to 13/16" x 2" furring 18" o.c. Space between furring filled with rockwool.

Fire Resistance:

c - Combustible
s - Slow burning
r - Fire retardant
i - Incombustible

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Sound Absorption Coefficients (at 512 cycles per second)

Federal Specification	Type	Class	MATERIAL	Manufacturer	Mounting	Weight (lbs) sq.ft.	Fire Resistance
			CLASS A (.90 and over)				
SS-T-302	III	A	Absorbex Type A	Thermax Corporation	9	2.6	r
SS-T-302	III	A	Absorbex Type C (8 gauge) 2" thick	" "	7	4.7	r
SS-T-302	I	A	Acousti-Celotex Triple B**	The Celotex Corporation	4	1.44	c
SS-T-302	I	A	Acousti-Celotex Type C4**	" " "	1	1.58	c
SS-T-302	I	A	Acousti-Celotex Type C4**	" " "	8	1.44	c
SS-T-302	I	A	Acousti-Celotex Type C4, slow burning**	" " "	1	1.80	s
SS-T-302	I	A	Acousti-Celotex Type M3	" " "	1	2.58	i
SS-T-686	II	A	Calicel Acoustic Tile	" " "	1	3.42	i
SS-T-302	I	A	U.S.Gypsum Metal Tile, Rockwool pad	U.S. Gypsum Company	4	1.03	i
			CLASS B (.85 to .89)				
SS-T-302	III	B	Acoustex, 1 1/8" thick	National Gypsum Company	5	2.6	r
SS-T-302	II	B	Acoustone Type D	U.S. Gypsum Company	1	1.73	i
SS-P-686	I	B	Akoustolith Tile, Grade B-2, 2" thick	R. Guastavino Company	4	8.5	i
SS-P-686	II	B	Calicel Acoustic Tile	The Celotex Corporation	5	2.66	i
SS-P-686	I	B	Calistone	" " "	4	9.3	i
SS-P-686	I	B	Ek-O-less Tile	American Acoustic Corp.	4	-	i
-	-	B	Sound Isolation Blanket (Rockwool)	Johns-Manville Sales Corp.	4	1.5	-
			CLASS C (.80 to .84)				
SS-T-302	III	C	Absorbex Type A on 1" Absorbex Type C (10 gauge)	Thermax Corporation	4	-	r
SS-T-302	III	C	Absorbex Type A, kerfed	" "	2	2.7	r
SS-T-302	III	C	Acoustex Type 50R (1" x 2" furring)	National Gypsum Company	2	2.16	r
SS-T-302	I	C	Mutetile (2" Rockwool)	Acoustical Corp.of America	4	-	i

**Coefficient of Sound Absorption at 2048 cycles less than 3/4 of the coefficient at 512 cycles.

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Sound Absorption Coefficients (at 512 cycles per second)

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lbs) sq.ft.	Fire Resistance
			CLASS D (.75 to .79)				
SS-T-302	I	D	Acousti-Celotex Double B*	The Celotex Corporation	2	.86	c
SS-T-302	I	D	Acousti-Celotex Type C3	" " "	1	1.11	c
SS-T-302	III	D	Acoustex Type 50R (1" x 3" furring)	National Gypsum Company	2	2.16	r
SS-T-302	III	D	Acoustex Type 60R (1" x 3" furring)	" " "	2	2.07	r
SS-P-686	II	D	Calicel Acoustic Tile	The Celotex Corporation	5	3.42	i
SS-T-302	IV	D	Quietile Type 80*	U.S. Gypsum Company	4	0.81	c
SS-P-686	I	D	Sphinxstone	The Sphinx Acoustical Co.	4	-	i
SS-T-302	I	D	Transite Acoustical Tile	Johns-Manville Sales Corp.	4	3.0	i
			CLASS E (.70 to .74)				
SS-T-302	I	E	Acousti-Celotex Type C2	The Celotex Corporation	1	.88	c
SS-T-302	I	E	" " " C2, slow burning	" " "	1	1.10	s
SS-P-686	II	E	Calicel Acoustic Tile	" " "	1	2.66	i
SS-P-686	I	E	Calistone	" " "	5	9.3	i
SS-T-302	II	E	Corkoustic Tile* **	Armstrong Cork & Insulation Company	1	.83	s
SS-P-686	II	E	Kalite, 2" thick, cast on 1/4" backing of moulding plaster, Grade A (coarse)	Certain-teed Products Corporation	4	-	i
			CLASS F (.65 to .69)				
SS-T-302	III	F	Absorbex Type A	Thermax Corporation	2	2.5	r
SS-T-302	III	F	Absorbex Type C (14 gauge)	" "	2	-	r
SS-T-302	I	F	Acousti-Celotex Type C3	The Celotex Corporation	8	1.09	c
SS-T-302	I	F	Acousti-Celotex Type C3, slow burning	" " "	1	1.35	s

*Coefficient of sound absorption at 128 cycles less than 1/8 of the coefficient at 512 cycles.
**Coefficient of sound absorption at 2048 cycles less than 3/4 of the coefficient at 512 cycles.

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Sound Absorption Coefficients (at 512 cycles per second)

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lbs) sq.ft.	Fire Resistance
			CLASS F (.65 to .69) continued				
SS-T-302	I	F	Acousti-Celotex Type M1	The Celotex Corporation	1	1.23	i
SS-P-686	I	F	Akoustolith Tile Grade B-2	R. Guastavino Company	4	6.1	i
SS-P-686	I	F	Ek-O-less Tile	American Acoustic Corp.	4	12.3	i
SS-P-391	IV	F	Hawaiian Cane Tile	Hawaiian Cane Products Co.	1	0.75	c
-	-	F	Thermofil	U.S. Gypsum Company	4	-	-
			CLASS G (.60 to .64)				
SS-T-302	I	G	Acousti-Celotex Double B (Unpainted)	The Celotex Corporation	1	-	c
SS-T-302	I	G	" " " B (Painted)	" " "	1	-	c
SS-T-302	I	G	" " Type C2	" " "	2	.88	c
SS-T-302	I	G	" " Type C2, slow burning	" " "	2	1.10	s
SS-P-686	II	G	Calicel Acoustic Tile, 3/4"*	" " "	1	-	i
SS-P-686	II	G	Ceramacoustic Tile (Unpainted)	Armstrong Cork & Insulation Company	1	3.4	i
SS-P-686	II	G	" " (Painted)	" " " "	1	3.4	i
SS-P-686	II	G	Kalite, 1½" thick, cast on ¼" backing of moulding plaster, Grade A (coarse)	Certain-teed Products Corporation	4	-	i
-	-	G	Krexstone (Balsam Wool)	Wood Conversion Company	6	0.83	c
SS-T-302	IV	G	Maizewood Tile (Unpainted)	Maizewood Products Corp.	4	2.1	c
SS-T-302	IV	G	" " (Painted)	" " "	4	2.1	c
			CLASS H (.55 to .59)				
SS-P-686	I	H	Akoustolith Tile, Grade D, 2" thick	R. Guastavino Company	4	-	i
-	-	H	Balsam Wool	Wood Conversion Co.	4	.29	c
SS-P-686	II	H	Kalite 1½" thick, cast on ¼" backing of moulding plaster, Grade D (Fine)	Certain-teed Products Corporation	4	-	i

*Coefficient of sound absorption at 128 cycles less than 1/8 of the coefficient at 512 cycles.

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Sound Absorption Coefficients (at 512 cycles per second)

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lbs) sq.ft.	Fire Resistance
			CLASS H (.55 to .59) continued				
SS-P-686	II	H	Kalite 2" thick, cast on ¼" backing of moulding plaster, Grade D (Fine)	Certain-teed Products Corporation	4	-	i
-	-	H	Lusco Hair Felt*	Luse Stevenson Company	4	-	s
-	-	H	Nashkote A	Johns-Manville Sales Corp.	1	-	-
			CLASS I (.50 to .54)				
SS-T-302	III	I	Acoustex 1 1/8" thick	National Gypsum Co.	4	2.6	r
SS-T-302	III	I	Acoustex Type 50R	" " "	1	2.16	r
SS-P-686	I	I	Akoustolith Tile, Grade C, 2" thick	R. Guastavino Company	4	10.1	i
SS-T-302	IV	I	Insulite Acoustile Type 44	The Insulite Company	4	1.47	c
-	-	I	Nashkote A, 3/4" thick, membrane perforated with fine holes after painting)	Johns-Manville Sales Corp.	1	-	-
-	-	I	Nashkote B-332 (1" thick)	" " " "	1	-	-
			CLASS J (.45 to .49)				
SS-T-302	III	J	Absorbex Type A	Thermax Corporation	1	2.5	r
SS-T-302	III	J	Absorbex Type C (10 gauge)	" "	2	-	r
SS-T-302	I	J	Acousti-Celotex Type C1	The Celotex Corporation	1	.78	c
SS-P-686	I	J	Akoustolith Tile Grade B-2	R. Guastavino Company	4	4.6	i
SS-P-686	II	J	Kalite, 1" thick, cast on ¼" backing of moulding plaster, Grade D (Fine)	Certain-teed Products Corporation	4	-	i
SS-P-686	II	J	Trutone Tile, cast on ¼" Gypsum wall board	Acoustone Company, Ltd.	4	-	i

* Coefficient of sound absorption at 128 cycles less than 1/8 of the coefficient at 512 cycles.

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Sound Absorption Coefficients (at 512 cycles per second)

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lbs) sq.ft.	Fire Resistance
			CLASS K (.40 to .44)				
SS-T-302	III	K	Acoustex 7/8" thick	National Gypsum Company	4	2.05	r
SS-T-302	I	K	Acousti-Celotex Type C1, slow burning	The Celotex Corporation	1	.88	s
SS-P-686	I	K	Akoustolith Tile, Grade C, 1½" thick	R. Guastavino Company	4	7.5	i
SS-T-302	IV	K	Hawaiian Cane Tile	Hawaiian Cane Products Co.	2	.81	c
SS-P-686	II	K	Kalite 1" thick, cast on ¼" backing of moulding plaster, Grade A (coarse)	Certain-teed Products Corporation	4	-	i
-	-	K	Nashkote A (perforated with fine holes after painting)	Johns-Manville Sales Corp.	1	-	-
-	-	K	Nashkote B-332 (3/4" thick)	" " " "	1	-	-
SS-T-302	IV	K	Red Top Acoustic Tile	U.S. Gypsum Company	1	0.55	c
			CLASS L (.35 to .39)				
SS-T-302	IV	L	Nuwood Bevel Lap Tile	Wood Conversion Company	6	1.41	c
			CLASS M (.30 to .34)				
SS-T-302	III	M	Absorbex Type C (14 gauge)	Thermax Corporation	4	-	r
SS-T-302	IV	M	Acoustolic (Maftex)	National Gypsum Company	5	-	c
SS-T-302	IV	M	Acoustolic, (tinted with water soluble aniline color)	" " "	5	-	c
-	-	M	Nashkote A, 1" thick, painted 2 coats	Johns-Manville Sales Corp.	1	-	-
-	-	M	Nashkote B-332, ½" thick, covered with perforated membrane	" " " "	1	-	-
SS-T-302	IV	M	Nuwood Bevel Lap Tile	Wood Conversion Co.	6	0.69	c

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Sound Absorption Coefficients (at 512 cycles per second)

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lbs) sq.ft.	Fire Resistance
			CLASS N (.25 to .29)				
SS-T-302	IV	N	Acoustolic, (painted with water color paint)	National Gypsum Co.	5	-	c
SS-P-686	I	N	Akoustolith tile, Grade D, 1" thick	R. Guastavino Company	4	-	i
-	-	N	Nashkote A $\frac{1}{2}$" thick	Johns-Manville Sales Corp.	1	-	-
-	-	N	Nashkote A 3/4" thick	" " " "	1	-	-
SS-T-302	IV	N	Temlock	Armstrong Cork & Insulation Company	5	-	c

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Noise Coefficients Weight (lbs) sq.ft.	Fire Resistance
			CLASS Q (.85 or .90)				
SS-P-686	II	Q	Calicel Acoustic Tile, 1" thick	The Celotex Corporation	5	2.66	i
SS-P-686	II	Q	" " " 1¼" thick	" " "	5	3.42	i
			CLASS R (.75 or .80)				
SS-T-302	III	R	Absorbex Type A on 1" Absorbex Type C (10 gauge), 2" thick	Thermax Corporation	4	-	r
SS-T-302	III	R	Absorbex Type A, 1" thick	" "	9	2.6	r
SS-T-302	III	R	" " C, (8 gauge) 2" thick	" "	7	4.7	r
SS-T-302	I	R	Acousti-Celotex, Double B	The Celotex Corporation	2	.86	c
SS-T-302	I	R	Acousti-Celotex, Type C4	" " "	8	1.44	c
SS-T-302	I	R	" " Type M3	" " "	1	2.58	i
SS-T-302	II	R	Acoustone Type D	U.S. Gypsum Company	1	1.73	i
SS-P-686	II	R	Calicel Acoustic Tile	The Celotex Corporation	1	3.42	i
SS-P-686	I	R	Calistone	" " "	4	9.3	i
SS-P-686	I	R	Calistone	" " "	5	9.3	i
SS-T-302	I	R	Mutetile (2" Rockwool)	Acoustical Corp. of America	4	-	i
-	-	R	Sound Isolation Blanket (Rockwool)	Johns-Manville Sales Corp.	4	1.5	-
SS-T-302	I	R	U.S. Gypsum Metal Tile (Rockwool Pad)	U.S. Gypsum Company	4	1.03	i
			CLASS S (.65 or .70)				
SS-T-302	III	S	Absorbex Type A	Thermax Corporation	2	2.5	r
SS-T-302	III	S	Absorbex Type A (kerfed)	" "	2	2.7	r
SS-T-302	III	S	Acoustex Type 50R (1" x 3" furring)	National Gypsum Company	2	2.16	r
SS-T-302	III	S	" " 50R (1" x 2" furring)	" " "	2	2.16	r
SS-T-302	III	S	" " 60R (1" x 3" furring)	" " "	2	2.07	r
SS-T-302	I	S	Acousti-Celotex, Double B	The Celotex Corporation	1	-	c
SS-T-302	I	S	" " Triple B	" " "	4	1.44	c

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lbs) sq.ft.	Fire Resistance
			CLASS S (.65 or .70) continued				
SS-T-302	I	S	Acousti-Celotex, Type C2	The Celotex Corporation	2	.88	c
SS-T-302	I	S	" " Type C2, slow burning	" " "	1	1.10	s
SS-T-302	I	S	" " Type C2, " "	" " "	2	1.10	s
SS-T-302	I	S	" " Type C3,	" " "	1	1.11	c
SS-T-302	I	S	" " Type C3	" " "	8	1.09	c
SS-T-302	I	S	" " Type C4	" " "	1	1.58	c
SS-T-302	I	S	" " Type C4, slow burning	" " "	1	1.80	s
SS-T-302	I	S	" " Type M1	" " "	1	1.23	i
SS-P-686	I	S	Akoustolith Tile, Grade B-2, 1½" thick	R. Guastavino Company	4	6.1	i
SS-P-686	I	S	" " " B-2, 2" "	" " "	4	8.5	i
SS-P-686	II	S	Calicel Acoustic Tile	The Celotex Corporation	1	2.66	i
SS-P-686	I	S	Ek-O-less Tile cast on 1" backing	American Acoustic Company	4	12.3	i
SS-P-686	I	S	" " " " " " ½" "	" " "	4	-	i
SS-T-302	IV	S	Hawaiian Cane Tile	Hawaiian Cane Products Co.	1	0.75	c
SS-P-686	II	S	Kalite 2" thick, cast on ¼" backing of moulding plaster, Grade A (Coarse)	Certain-teed Products Co.	4	-	i
SS-T-302	IV	S	Maizewood Tile	Maizewood Products Company	4	2.1	c
SS-T-302	IV	S	Quietile Type 80	U.S. Gypsum Company	4	0.81	c
SS-P-686	I	S	Sphinxstone	The Sphinx Acoustical Corporation	4	-	i
SS-T-302	I	S	Transite Acoustical Tile	Johns-Manville Sales Corp.	4	3.0	i
-	-	S	Thermofil	U.S. Gypsum Company	4	-	-
			CLASS T (.55 or .60)				
SS-T-302	III	T	Absorbex Type A	Thermax Corporation	1	2.5	r
SS-T-302	III	T	" " C (14 gauge)	" "	2	-	r
SS-T-302	III	T	Acoustex Type 50R	National Gypsum Company	1	2.16	r

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lbs) sq.ft.	Fire Resistance
				Noise Coefficients			
			CLASS T (.55 or .60) continued				
SS-T-302	I	T	Acousti-Celotex Double B	The Celotex Corporation	1	-	c
SS-T-302	I	T	" " Type C2	" " "	1	.88	c
SS-T-302	I	T	" " " C3, slow burning	" " "	1	1.35	s
SS-P-686	I	T	Akoustolith Tile, Grade D, 2" thick	R. Guastavino Corporation	4	-	i
SS-P-686	I	T	" " Grade C, 2" "	" " "	4	10.1	i
SS-P-686	I	T	" " Grade B-2, 1" thick	" " "	4	4.6	i
-	-	T	Balsam Wool	Wood Conversion Company	4	.29	c
SS-P-686	II	T	Calicel Acoustic Tile 3/4" thick	The Celotex Corporation	1	-	c
SS-P-686	II	T	Ceramacoustic Tile (Unpainted)	Armstrong Cork & Insulation Company	1	3.4	i
SS-P-686	II	T	" " (Painted)	" " " "	1	3.4	i
SS-T-302	IV	T	Hawaiian Cane Tile	Hawaiian Cane Products Co.	2	.81	c
SS-T-302	IV	T	Insulite Acoustile Type 44	The Insulite Company	4	1.47	c
SS-P-686	II	T	Kalite, cast on $\frac{1}{4}$" backing of moulding plaster, Grade D (Fine) $1\frac{1}{2}$" thick	Certain-teed Products Corporation	4	-	i
SS-P-686	II	T	Kalite, Grade A (coarse), $1\frac{1}{2}$" thick	" " "	4	-	i
SS-P-686	II	T	" " D (fine), 2" thick	" " "	4	-	i
-	-	T	Krexstone Tile (Balsam Wool)	Wood Conversion Company	6	0.83	c
-	-	T	Lusco Hair Felt	Luse Stevenson Company	4	-	s
SS-T-302	IV	T	Maizewood Tile	Maizewood Products Corp.	4	2.1	c
-	-	T	Nashkote A, 3/4" thick	Johns-Manville Sales Corp.	1	-	-
-	-	T	" A, 1" "	" " " "	1	-	-
-	-	T	" B-332, 1" thick	" " " "	1	-	-
SS-P-686	II	T	Trutone Tile	Acoustone Co. Ltd.	4	-	i
			CLASS U (.45 or .50)				
SS-T-302	III	U	Absorbex Type C (14 gauge)	Thermax Corporation	4	-	r
SS-T-302	III	U	" " C (10 gauge)	" "	2	-	r

ACOUSTIC TILES, CAST MATERIALS, BOARDS AND BLANKETS

Noise Coefficients

Federal Specification	Type	Class	Material	Manufacturer	Mounting	Weight (lbs) sq.ft.	Fire Resistance
			CLASS U (.45 or .50) continued				
SS-T-302	I	U	Acousti-Celotex Type C1	The Celotex Corporation	1	.78	c
SS-P-686	I	U	Akoustolith Tile, Grade C, 1½" thick	R. Guastavino Company	4	7.5	i
SS-T-302	II	U	Corkoustic Tile	Armstrong Cork & Insulation Company	1	.83	s
SS-P-686	II	U	Kalite, cast on ¼" backing of moulding plaster, Grade D (Fine), 1" thick	Certain-teed Products Corporation	4	-	i
SS-P-686	II	U	Kalite, cast on ¼" backing of moulding plaster, Grade A (Coarse), 1" thick	" " "	4	-	i
-	-	U	Nashkote A (Membrane perforated with holes after painting) ½" thick	Johns-Manville Sales Corp.	1	-	-
-	-	U	Nashkote B-332, ½" thick	" " " "	1	-	-
-	-	U	Nashkote B-332, 3/4" thick	" " " "	1	-	-
			CLASS V (.35 or .40)				
SS-T-302	I	V	Acousti-Celotex Type C1, slow burning	The Celotex Corporation	1	.88	s
SS-T-302	IV	V	Acoustolic (Maftex) Unpainted	National Gypsum Company	5	-	c
SS-T-302	IV	V	Acoustolic, painted with water color paint	" " "	5	-	c
SS-P-686	I	V	Akoustolith Tile, Grade D, 1" thick	R. Guastavino Company	4	-	i
SS-T-302	IV	V	Nuwood Bevel Lap Tile, 1" thick	Wood Conversion Company	6	1.41	c
SS-T-302	IV	V	Red Top Acoustic Tile	U.S. Gypsum Company	1	0.55	c
			CLASS W (.25 or .30)				
-	-	W	Nashkote A, 3/4" thick	Johns-Manville Sales Corp.	1	-	-
-	-	W	" A, 1" thick	" " " "	1	-	-
SS-T-302	IV	W	Nuwood Bevel Lap Tile, ½" thick	Wood Conversion Company	6	0.69	c
SS-T-302	IV	W	Temlock	Armstrong Cork & Insulation Company	5	-	c

ACOUSTICAL PLASTERS

Sound Absorption Coefficients (at 512 cycles per second)

Federal Specification	Class	Material	Manufacturer	Thickness	Fire Resistance
		CLASS F (.65 to .69)			
SS-P-391	F	Stuccostic Plaster Type A.D.	California Stucco Products of New England, Inc.	3/4"	r***
		CLASS G (.60 to .64)			
SS-P-391	G	Kalite H, Coarse Aggregate	Certain-teed Products Corp.	3/4"	i
		CLASS H (.55 to .59)			
SS-P-391	H	Sabinite Plaster A	U.S. Gypsum Company	3/4"	i
		CLASS I (.50 to .54)			
		CLASS J (.45 to .49)			
SS-P-391	J	Hushkote Acoustic Plaster	Cleveland Gypsum Co.	1/2"	r***
SS-P-391	J	Kalite H, Coarse Aggregate	Certain-teed Products Corp.	1/2"	i
SS-P-391	J	Kalite H, " " brush painted 2 coats non-bridging lacquer	" " "	1/2"	i
		CLASS K (.40 to .44)			
SS-P-391	K	Calacoustic Plaster	Pacific Portland Cement Co.	1/2"	i
SS-P-391	K	Macoustic Plaster (trowel finish)	National Gypsum Company	1/2"	r***
SS-P-391	K	Sabinite Plaster F	U.S. Gypsum Company	1/2"	i

*** These materials are on the border between the incombustible and the fire retardant classes. Due to the large amount of combustible material contained in them they have been rated as fire retardant.

ACOUSTICAL PLASTERS

Sound Absorption Coefficients (at 512 cycles per second)

Federal Specification	Class	Material	Manufacturer	Thickness	Fire Resistance
		CLASS L (.35 to .39)			
SS-P-391	L	Akoustolith	R. Guastavino Company	3/4"	i
SS-P-391	L	Reverbolite Plaster	American Gypsum Company	5/8"	i
SS-P-391	L	Rockwall Acoustic Plaster	National Gypsum Company	1/2"	i
SS-P-391	L	Sabinite Plaster A	U.S. Gypsum Company	1/2"	i
		CLASS M (.30 to .34)			
		CLASS N (.25 to .29)			
SS-P-391	N	Hachmeister-Lind Acoustic Plaster	Hachmeister Lind Company	1/2"	i
SS-P-391	N	Sabinite Plaster Hydraulic	U.S. Gypsum Company	1/2"	i
SS-P-391	N	Standard Macoustic	National Gypsum Company	1/2"	i
		CLASS O (.20 to .24)			
		CLASS P (Less than .19)			
SS-P-391	P	Akoustolith Plaster	R. Guastavino Company	1/4"	i

ACOUSTICAL PLASTERS

Noise Coefficients

Federal Specification	Class	Material	Manufacturer	Thickness	Fire Resistance
		CLASS T (.55 or .60			
SS-P-391	T	Kalite H, Coarse Aggregate	Certain-teed Products Corp.	1/2"	i
SS-P-391	T	" " " "	" " " "	3/4"	i
SS-P-391	T	Sabinite Plaster A	U.S. Gypsum Company	1/2"	i
SS-P-391	T	" " A	" " " "	3/4"	i
SS-P-391	T	" " F	" " " "	1/2"	i
SS-P-391	T	Stuccostic Plaster Type A.D.	California Stucco Products of New England	3/4"	r***
		CLASS U (.45 or .50)			
SS-P-391	U	Akoustolith	R. Guastavino Company	3/4"	i
SS-P-391	U	Calacoustic Plaster	Pacific Portland Cement Co.	1/2"	i
SS-P-391	U	Kalite H, Coarse aggregate (painted)	Certain-teed Products Corp.	1/2"	i
SS-P-391	U	Hushkote Acoustic Plaster	Cleveland Gypsum Supply Co.	1/2"	r***
SS-P-391	U	Rockwall Acoustic Plaster	National Gypsum Company	1/2"	i
		CLASS V (.35 or .40)			
SS-P-391	V	Macoustic Plaster (Trowel finish)	National Gypsum Company	1/2"	r***
SS-P-391	V	Reverbolite Plaster	American Gypsum Company	5/8"	i
SS-P-391	V	Sabinite Plaster (hydraulic)	U.S. Gypsum Company	1/2"	i
SS-P-391	V	Standard Macoustic Plaster	National Gypsum Company	1/2"	i
		CLASS W (.25 or .30)			
SS-P-391	W	Akoustolith Plaster	R. Guastavino Company	1/4"	i
SS-P-391	W	Hachmeister-Lind Acoustic Plaster	Hachmeister Lind Company	1/2"	i

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